

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference OPP040026KR	<b>FOR FURTHER ACTION</b>		See item 4 below
International application No. PCT/KR2004/003152	International filing date ( <i>day/month/year</i> ) 02 December 2004 (02.12.2004)	Priority date ( <i>day/month/year</i> ) 02 December 2003 (02.12.2003)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant <b>ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE</b>			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

<input checked="" type="checkbox"/>	Box No. I	Basis of the report
<input type="checkbox"/>	Box No. II	Priority
<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/>	Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input type="checkbox"/>	Box No. VI	Certain documents cited
<input type="checkbox"/>	Box No. VII	Certain defects in the international application
<input type="checkbox"/>	Box No. VIII	Certain observations on the international application

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	Date of issuance of this report 14 August 2006 (14.08.2006) Authorized officer <b>Philippe Becamel</b> e-mail: pt12@wipo.int
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**PATENT COOPERATION TREATY**

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REC'D 20 JUL 2006  
**PCT** PCT

**WRITTEN OPINION OF THE  
 INTERNATIONAL SEARCHING AUTHORITY**

(PCT Rule 43bis.1)

		Date of mailing (day/month/year) 14 July 2006 (14.07.2006)
Applicant's or agent's file reference <b>OPP040026KR</b>		<b>FOR FURTHER ACTION</b> See paragraph 2 below
International application No. <b>PCT/KR 2004/003152</b>	International filing date (day/month/year) <b>2 December 2004 (02.12.2004)</b>	Priority Date (day/month/year) <b>2 December 2003 (02.12.2003)</b>
International Patent Classification (IPC) or both national classification and IPC <b>H04J 11/00 (2006.01)</b>		
Applicant <b>ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE</b>		

1. This opinion contains indications relating to the following items:

- Cont. No. I Basis of the opinion
- Cont. No. II Priority
- Cont. No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Cont. No. IV Lack of unity of invention
- Cont. No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Cont. No. VI Certain documents cited
- Cont. No. VII Certain defects in the international application
- Cont. No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/ AT <b>Austrian Patent Office</b> Dresdner Straße 87, A-1200 Vienna  Facsimile No. +43 / 1 / 534 24 / 535	Authorized officer <b>ZUGAREK G.</b>  Telephone No. +43 / 1 / 534 24 / 383
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/KR 2004/003152

**Continuation No. I**

**Basis of the opinion**

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed.

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**Continuation No. V**

**Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims 1-14	YES
	Claims ---	NO
Inventive step (IS)	Claims 1-14	YES
	Claims ---	NO
Industrial applicability (IA)	Claims 1-14	YES
	Claims ----	NO

**2. Citations and explanations:**

The documents cited in the search report merely refer to the state of the art in the field of resource allocation in OFDMA communication systems.

None of said documents discloses a method for allocating a downlink resource allocation in an OFDMA communication system for saving power consumption used for processing undesired bursts.

Thus the subject matter of independent claims 1, 7, 12 meets the requirements of novelty and inventive step.

The subject matter of the dependent claims can be considered novel and inventive by virtue of dependency.

Industrial applicability is obviously given.

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